

IN THE CLAIMS:

Please amend the claims as follows:

Claim 1 (Original): A gas discharge tube comprising:

a sealed vessel in which gas is encapsulated;

a cathode section arranged in said sealed vessel;

an anode section, arranged in said sealed vessel, for generating discharge between said anode section and said cathode section; and

a discharge path restricting section, arranged in said sealed vessel, for narrowing a discharge path between said cathode section and said anode section,

wherein said anode section has a first surface facing said discharge path restricting section, a second surface opposing said first surface, and an opening portion for communicating between said first surface and said second surface, and

wherein a cross section of said opening portion defined on a reference plane coincident with said first surface has a non-circular shape.

Claim 2 (Original): A gas discharge tube according to claim 1, wherein the cross section of said opening portion has a non-circular shape where the maximum opening width in a first direction is different from that in a second direction orthogonal to the first direction.

Claim 3 (Currently Amended): A gas discharge tube according to claim 1, ~~or 2~~, wherein the cross section of said opening portion has one of an elliptic shape, an oblong shape and a rectangular shape.

Claim 4 (Original): A gas discharge tube according to claim 1, wherein the opening width of a part of said opening portion is adjusted by a projection extending along the reference plane from an edge part of said anode section defining said opening portion.

Claim 5 (Original): A gas discharge tube according to claim 2, wherein the maximum opening width in the second direction of the cross section of said opening portion is adjusted by a projection extending in the second direction from an edge part of said anode section defining said opening portion.

Claim 6 (Currently Amended): A gas discharge tube according to ~~any one of claims 1 to 5~~ claim 1, wherein said anode section is arranged such that said first surface is parallel to a tube axial direction of said sealed vessel so as to emit light in a direction orthogonal to the tube axial direction of said sealed vessel.

Claim 7 (Currently Amended): A light source apparatus comprising:
a gas discharge tube of ~~any one of claims 1 to 6~~ claim 1; and
a visible light source for emitting visible light toward said opening portion of said anode section constituting a part of said gas discharge tube.

Claim 8 (Currently Amended): A liquid chromatograph including a light source apparatus according to claim ~~6~~ 7.